

MISLI GOSTUJOČEGA UREDNIKA

FOREWORD

Posebno izdajo naše znanstvene revije namenjamo polimerom in materialom, ki vsebujejo polimere. Tovrstne materiale srečujemo povsod okoli nas, od nekaterih naravnih organskih materialov do visokotehnoloških biočipov. Hitra rast uporabe polimernih materialov je vedno nov izziv za razvoj naprednih izdelkov in tehnologij za modifikacijo površinskih lastnosti, ki v vedno večji meri temeljijo na sodobnih neravnovesnih postopkih. Ta izdaja naše revije obsega nekatere vidike polimerov in polimernih kompozitov od nanokompozitov do hidrogeniranega ogljika v sodobnih fuzijskih reaktorjih. Tematski sklopi, ki so predstavljeni v tej izdaji, spadajo med raziskovalne aktivnosti Centra odličnosti "Polimerni materiali in tehnologije", ki je bil ustanovljen leta 2010 z namenom združevanja raziskav na tem področju in uporabnikov tovrstnih materialov.

This special issue is devoted to polymers and polymer-containing materials. They are found everywhere around us in various forms ranging from some natural organic materials to sophisticated biochips. Rapidly growing applications dictate development of novel materials with improved characteristics as well as innovative techniques for surface modification – many are based on application of advanced non-equilibrium processing. The present issue covers some scientific aspects of polymers and polymer composites, from nanocomposites to hydrogenated carbon in fusion reactors. The topics presented in the issue are essentially research activities performed within the Centre of excellence "Polymer materials and technologies" established in 2010 in order to unite Slovenian research centers and users of such materials.

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